

Patent claims

1. A method for production of a component (1) which has a surface (8), a filling element (7) being firmly connected to the component (1) by means of a fixing method, characterized in that at least one holder (13) connects the filling element (7) to the component (1) at least temporarily during the fixing method of the filling element (7) and component (1), the at least one holder (13) having at least a first holding point (22) on the surface (8) of the component (1) and at least a second holding point (25) on the filling element (7) and in that the at least one holder (13) is removed after the filling element (7) and component (1) have been fixed.
2. The method as claimed in claim 1, characterized in that the filling element (7) is introduced into a groove (4) in the component (1), and in that between the filling element (7) and the component (1) in the groove (4) there is a gap (6) in which at least one spacer (10) is arranged.
3. The method as claimed in claim 2, characterized in that the at least one spacer (10) is arranged in the gap (6) before the holder (13) is fitted.

4. The method as claimed in claim 1, characterized
in that the fixing method used for filling element (7) and
component (1) is a soldering method.
- 5 5. The method as claimed in claim 1, characterized
in that the fixing method used for filling element (7) and
component is a welding method.
- 10 6. The method as claimed in claim 1, characterized
in that the fixing method used for filling element (7) and
component is a laser welding method.
- 15 7. The method as claimed in claim 1, characterized
in that the fixing method used for filling element (7) and
component (1) is an electron beam welding method.
8. The method as claimed in claim 1, characterized
in that two holders (13) are used.

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9. The method as claimed in claim 1, characterized
in that the holder (13) is M-shaped.
10. The method as claimed in claim 1 or 9, characterized
5 in that a first end of the M shape of the holder (13) is
fixed to a first holding point (22) on the component (1),
in that the middle of the M shape of the holder (13) is
fixed to a second holding point (25) on the filling
element (7),
10 and in that a second end of the M shape of the holder (13)
is fixed to a third holding point (28) on the component
(1).